

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

UVMO:003/HYL

09/237,164 09/293,164

List of Patents and Publications for Applicant's

Applicant

Robert Michael Roberts et al.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

March 19, 1999

Group:

1643 1641

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
LVC	B1	99/06038	02/19/99	PCT	A61K	31/19	NO ①

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
LVC	C1	Atkinson <i>et al.</i> , "Characterization of placental-specific binucleate cell glycoproteins possessing a novel carbohydrate," <i>J. Biol. Chem.</i> , 268(35):26679-26685, 1993.
LVC	C2	Birch and Loh, "Homology Cloning of Aspartic Proteases from an Endocrine Cell Line Using the Polymerase Chain Reaction," <i>Biochem. Biophys. Res. Commun.</i> , 177(3):920-926, 1991.
LVC	C3	Cameron and Malmö, "Evaluation of an ultrasonic Doppler probe for pregnancy diagnosis in cattle," <i>Austr. Vet. J.</i> , 70:109-111, 1993.
	C4	Davies, "The structure and function of the aspartic proteinases," <i>Ann. Rev. Biochem. Chem.</i> , 19:189-215, 1990.
	C5	Green, <i>et al.</i> , "Identification of a New Aspartic Proteinase Expressed by the Outer Chorionic Cell Layer of the Equine Placenta," <i>Bio. Reprod.</i> , 60:1069-1077, 1999.
	C6	Guillomot, "Cellular interactions during implantation in domestic ruminants," <i>J. Reprod. Fertil.</i> , 49(Suppl):39-51, 1995.
	C7	Guruprasad <i>et al.</i> , "Comparative modelling and analysis of amino acid substitutions suggests that the family of pregnancy-associated glycoproteins includes both active and inactive aspartic proteinases," <i>Protein Engin.</i> , 9:849-856, 1996.
	C8	Haig, "Genetic Conflicts in Human Pregnancy," <i>Rev. Biol.</i> , 68:495-532, 1993.
LVC	C9	Inoue, <i>et al.</i> , "Aspergillus Niger Var. <i>Macrospor</i> Proteinase B. cDNA Cloning, Expression, and Activation of the Proenzyme," <i>Aspartic Proteinases</i> , 581-587, 1995.

EXAMINER: *OK Cook*

DATE CONSIDERED: 12/12/00

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
LVC	C10	King <i>et al.</i> , "Development of the bovine placentalome from days 20 to 29 of gestation," <i>J. Reprod. Fertil.</i> , 59:95-100, 1980.
	C11	Kiracofe <i>et al.</i> , "Pregnancy-Specific Protein B in Serum of Postpartum Beef Cows," <i>J. Anim. Sci.</i> , 71:2199-2205, 1993.
	C12	Li <i>et al.</i> , "Mutational analysis of the vesicular stomatitis virus glycoprotein G for membrane fusion domains," <i>J. Virol.</i> , 67(7):4070-4077, 1993.
	C13	Mialon <i>et al.</i> , "Peripheral concentrations of a 60-kDa pregnancy serum protein during gestation and after calving and in relationship to embryonic mortality in cattle," <i>Reprod. Nutr. Dev.</i> , 33:269-282, 1993.
	C14	Mialon <i>et al.</i> , "Detection of pregnancy by radioimmunoassay of a pregnancy serum protein (PSP60) in cattle," <i>Reprod. Nutr. Dev.</i> , 34:65-72, 1994.
	C15	Patel <i>et al.</i> , "Effect of Fetal Mass, Number and Stage of Gestation on Pregnancy-Specific Protein B Concentrations in the Bovine," <i>Theriogenol.</i> , 44:827-833, 1995.
	C16	Patel, <i>et al.</i> , Plasma bovine pregnancy-associated glycoprotein concentrations throughout gestation in relationship to fetal number in the cow," <i>Eur. J. Endoc.</i> , 137: 423-428, 1997.
	C17	Roberts, <i>et al.</i> , "Glycoproteins of the aspartyl proteinase gene family secreted by the developing placenta," <i>Aspartic Prot., Struct., Funct., Biol., Biom. Impl.</i> , 231-240, 1995.
	C18	Roberts <i>et al.</i> , "Maternal Recognition of Pregnancy," <i>Biol. Reprod.</i> , 54:294-302, 1996.
	C19	Roberts <i>et al.</i> , "New and Atypical Families of Type I Interferons in Mammals: Comparative Functions, Structures, and Evolutionary Relationships," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> , 56:287-326, 1997.
	C20	Sasser <i>et al.</i> , "Detection of pregnancy by radioimmunoassay of a novel pregnancy-specific protein in serum of cows and a profile of serum concentrations during gestation," <i>Biol. Reprod.</i> , 35:936-942, 1986.
	C21	Sasser <i>et al.</i> , "Characteristics of pregnancy-specific protein B in cattle," <i>J. Reprod. Fertil.</i> , 37(Suppl):109-113, 1989.
LVC	C22	Szafranska <i>et al.</i> , "Porcine Pregnancy-Associated Glycoproteins: New Members of the Aspartic Proteinase Gene Family Expressed in Trophectoderm, <i>Biol. Reprod.</i> , 53:21-28, 1995.

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P. J. Cook

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12/12/02

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
L/C	C23	Szenci, <i>et al.</i> , "Evaluation of false ultrasonographic diagnoses in cows by measuring plasma levels of bovine pregnancy-associated glycoprotein 1," <i>Vet. Record</i> , 304-306.
	C24	Wedemayer, "Structural Insights into the Evolution of an Antibody Combining Site," <i>Science</i> , 276(5319):1665-1669, 1997.
	C25	Wooding, "Current topic: the synepitheliochorial placenta of ruminants: binucleate cell fusions and hormone production," <i>Placenta</i> , 13:101-113, 1992.
	C26	Xie <i>et al.</i> , "Identification of the major pregnancy-specific antigens of cattle and sheep as inactive members of the aspartic proteinase family," <i>Proc. Nat'l Acad. Sci. USA</i> , 88: 10247-10251, 1991.
	C27	Xie <i>et al.</i> , "A novel glycoprotein of the aspartic proteinase gene family expressed in bovine placental trophoctoderm," <i>Biol. Reprod.</i> , 51:1145-1153, 1994.
	C28	Xie <i>et al.</i> , "The gene encoding bovine pregnancy-associated glycoprotein-1, an inactive member of the aspartic proteinase family," <i>Gene</i> , 159:193-197, 1995.
	C29	Xie <i>et al.</i> , "Trophoblast-specific processing and phosphorylation of pregnancy-associated glycoprotein-1 in day 15 to 25 sheep placenta," <i>Biol. Reprod.</i> , 54: 122-129, 1996.
	C30	Xie, <i>et al.</i> , "The diversity and evolutionary relationships of the pregnancy-associated glycoproteins, an aspartic proteinase subfamily consisting of many trophoblast-expressed genes," <i>Proc. Natl. Acad. Sci.</i> , 94:12809-12816, 1997.
	C31	Xie <i>et al.</i> , "Multiple pregnancy-associated glycoproteins are secreted by day 100 ovine placental tissue," <i>Biol. Reprod.</i> , 57:1384-1393, 1997.
	C32	Zoli <i>et al.</i> , "Purification and characterization of a bovine pregnancy-associated glycoprotein," <i>Biol. Reprod.</i> , 45:1-10, 1991.
	C33	Zoli, <i>et al.</i> , "Radioimmunoassay of a bovine pregnancy-associated glycoprotein in serum: its application for pregnancy diagnosis," <i>Biol. Reprod.</i> , 46:83-92 1992.
L/C	C34	Zoli <i>et al.</i> , "Light and electron microscopic immunolocalization of bovine pregnancy-associated glycoprotein in the bovine placentome," <i>Biol. Reprod.</i> , 46:623-629, 1992.

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